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Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name **Jennifer Greminger**		Submission date. **June 29, 2018**	Contact person (if different than reporter) **Joy Thompson**	Internal ID **32477780**
	Address **Monsanto Company** **Mail Stop C3NA** **800 N Lindbergh Blvd.** **St. Louis, MO 63167**			Address **Missouri Regional Poison Center (MRPC)** **7980 Clayton Road, Suite 200** **St. Louis, MO 63117**	
	Phone # **(314) 694-1538**			Phone # **(314) 772-8300**	
	Incident Status: New _X _ Update__ If update, include date of original submission.	Location and date of incident. (City, County, State) **State: Nevada** **Date: 5/28/2018**		Date registrant became aware of incident. **March 2018**	Was incident part of larger study? Y___N **_X__**U___
Row 2 Pesticide(s) Involved	**EPA Registration # (Product 1)** **71995-29**		**EPA Registration # (Product 2)**		**EPA Registration # (Product 3 & 4)**
	A.I. (s) **Glyphosate 18%** **Diquat dibromide 0.73%**		A.I. (s)		A.I. (s)
	Product 1 Name **Roundup Weed and Grass Killer Concentrate Plus from Monsanto**		Product 2 Name		Product 3&4 Name
	Exposed to concentrate prior to dilution? Y___N___U_**X**_NA___		Exposed to concentrate prior to dilution? Y___N___U___NA___		Exposed to concentrate prior to dilution? Y___N___U___NA___
	Formulation		Formulation		Formulation
Row 3 Incident Circumstances	Evidence label directions were not followed? Yes_**_**Y_ No_**_**__U_**_** Intentional misuse_**Yes**_ Applicator certified PCO? Yes__No__U__**X**	Incident site: (examples include home, yard, school, industrial, nursery/greenhouse, surface water, commercial turf, building/office, forest/ woods, agricultural (specify crop) right-of-way (rail, utility, highway). **unknown**		Situation (act of using product): (examples include mixing/loading, reentry, application, transportation, repair/ maintenance of application equipment, manufacturing/ formulating). **See MRPC incident report (next page)**	
	How exposed: (examples include direct contact with treated surface, **ingestion**, spill, drift, runoff) **See MRPC incident report (next page)**	Brief description of incident circumstances. **See MRPC incident report (next page)**			

Human Exposure / Adverse Effect Incidents
Involving Monsanto Agricultural Products

Reporting Categories: H-A, H-B, H-C
Reporting Period: May 1, 2018 – May 31, 2018

Substance:	Roundup Weed and Grass Killer Concentrate Plus from Monsanto
Serial Number:	32477780
Date:	05/28/2018
Medical Outcome:	Major Effect H-B
EPA Reg. No.	71995-29
Active Ingredients:	Glyphosate 18% Diquat dibromide 0.73%
State:	Nevada

History and Notes:	Physician calling about a 50 year old female, who "drank a whole bottle of Roundup". She was intubated and sedated for airway protection, but denies that she was unconscious or drowsy before intubation. MRPC discussed the product toxicity. Intentional, selfharm ingestions of concentrated product more than 1 mL/kg, pose risk for serious symptoms especially if the amount exceeds 6 ounces. Advised the need to scope and treatment will be dependent largely on the concentration of the product. Treatment guideline emailed to the physician. Product later identified as Roundup Weed and Grass Killer Concentrate Plus. History of drinking ¾ of the 16 ounce bottle about 5.5 hours intentionally, prior to the initial call to the MRPC. No oral or throat burns noted. Unable to assess CNS as the woman is being sedated. On follow- up, the woman was admitted to ICU with a possible endoscopy scheduled sometime today. Blood Pressure (mmHg): 133/92; Heart Rate (per min): 76; Respiratory Rate (per min): 20, with vent; Temperature (degrees F or C): 99.5; SpO2 (%): 100. Intubated and being sedated with Propofol. She is following commands. Lungs sound clear, slightly diminished at bases. CXR showed no acute pulmonary disease. Foley catheter placed 2 hours ago and so far 200-300 cc's urine output. ARTERIAL BLOOD GASES: pH (7.35-7.45): 7.265; PCO2 (35-45 mmHg): 37; PO2 (70-100 mmHg): 117; HCO3 (19-25 mEq/L): 16.8; O2 Saturation (90-100%): 100; Base Excess (-5 to +5 mEq/L): -9.0; Na (135-145 mmol/L): 141; K (3.5-5.2 mmol/L): 3.6; Cl (95-108 mmol/L): 108; CO2 (23-30 mmol/L): 23; Calcium, Serum (8.6-10.3 mg/dL): 8.1; BUN (7-20 mg/dL): 14; Cr (0.5-1.4 mg/dL): 0.9; AST (SGOT) (20-48 IU/L): 19; ALT (SGPT) (10-35 IU/L): 15 Follow up in the evening, the woman remained intubated; intact neuro status. VS stable other than 101.5 temperature for which she is receiving acetaminophen. Maintenance fluids infusing. No endoscopy done due to pH of Roundup and mouth looked intact. GI to continue to monitor case on PRN basis. On follow up, the next day, plans to possibly extubate. No endoscopy done. Creatinine increased from 0.9 to 2.62. AST increased from 19 to 102. ALT increased from 15 to 48. Plan to start on bicarbonate drip in IVFs due to bump in renal function. No acidosis noted. The woman was extubated later in the day. VS stable. Woman complains of a sore throat. No further vomiting or diarrhea. The following day on follow up, the woman was awake and alert. Complaining of throat pain and nausea. To have a swallow study. Cr is 2.72, MD thinks the upward trend is slowed and will likely begin to improve. Urine output has been great. Weaning down the bicarbonate drip. Replacing electrolytes. CXR showed basilar atelectasis. Follow up 2 days later, the woman was not able to swallow and was receiving tube feedings. The back of her throat and tongue still has chemical irritation and burns. Creatinine decreased to 2.0. Unable to obtain further follow up. The woman's location had changed and there was no further record of her in the system